



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael S. Freund *et al.*

Art Unit : Unknown

Serial No. : 09/919,657

Examiner : Unknown

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Title : SENSORS AND SENSING METHODS FOR DETECTING ANALYTES BASED
ON CHANGES IN PKA OF A SENSING POLYMERCommissioner for Patents
Washington, D.C. 20231RECEIVED
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TC 1/00INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed before the receipt of a first Office action on the merits. No fee is required. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06618/675001	Application No. 09/919,657
	Applicant Michael S. Freund <i>et al.</i>		
	Filing Date July 31, 2001	Group Art Unit Unknown	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AA	Taj, S., et al., "Relationship between permselectivity and the acidity of polyphenols pertaining to the pH response of Pt/polyphenol electrode," <i>Synthetic Metals</i> 97, pages 205-209, 1998
	AB	Pringsheim, E., et al., "Optical sensing of pH using thin films of substituted polyanilines," <i>Analytica Chimica Acta</i> 357, pages 247-252, 1997
	AC	Boyer, M.-I., et al., "Vibrational Analysis of Polyaniline: A Model Compound Approach," <i>J. Phys. Chem. B</i> , Vol. 102, No. 38, pages 7382-7392, 1998
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	AE	Moore, A.N.J., et al., "Redox switching of carbohydrate binding to ferrocene boronic acid," <i>Can. J. Chem.</i> , Vol. 77, pages 681-686, 1999
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	AG	McQuade, D.T., et al., "Conjugated Polymer-Based Chemical Sensors," <i>Chem. Rev.</i> , Vol. 100, No. 7, pages 2537-2574, 2000
	AH	Nicolas, M., et al., "New Boronic-Acid- and Boronate-Substituted Aromatic Compounds as Precursors of Fluoride-Responsive Conjugated Polymer Films," <i>Eur. J. Org. Chem.</i> , pages 1703-1710, 2000
	AI	Karyakin, A.A., et al., "Processible polyaniline as an advanced potentiometric pH transducer. Application to biosensors," <i>Analytical Chemistry</i> , Vol. 71, No. 13, pages 2534-2540, July 1, 1999
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	AK	James, T.D., et al., "Saccharide Sensing with Molecular Receptors Based on Boronic Acid," <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 35, pages 1910-1922, 1996
	AL	Shoji, E., et al., "Potentiometric Sensors Based on the Inductive Effect on the pK _a of Poly(aniline): A Nonenzymatic Glucose Sensor," <i>J. Am. Chem. Soc.</i> , Vol. 123, No. 14, pages 3383-3384, 2001 (published on Web March 16, 2001)
	AM	Bartlett, P.N., et al., "Poly(aniline)-poly(acrylate) composite films as modified electrodes for the oxidation of NADH," <i>Phys. Chem. Phys.</i> , Vol. 2, pages 2599-2606, 2000
	AN	Barker, S.A., et al., "The Interaction of Areneboronic Acids with Monosaccharides," <i>Carbohydrate Research</i> , Vol. 26, pages 33-40, 1973
	AO	Bartlett, P.N., et al., "Electroactivity, stability and application in an enzyme switch at pH 7 of poly(aniline)-poly(styrenesulfonate) composite films," <i>J. Chem. Soc., Faraday Trans.</i> , Vol. 92, pages 4137-4143, 1996

Signature

Date Considered

Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with citation to applicant.